

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

B_{RIDGE}

I_{NSPECTION}

R_{ECORDS}

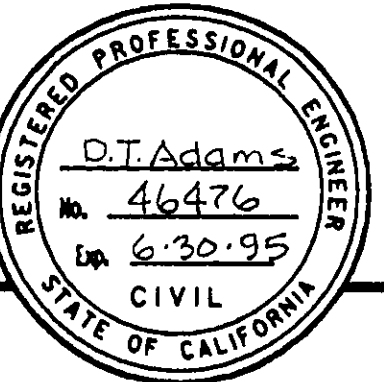
I_{NFORMATION}

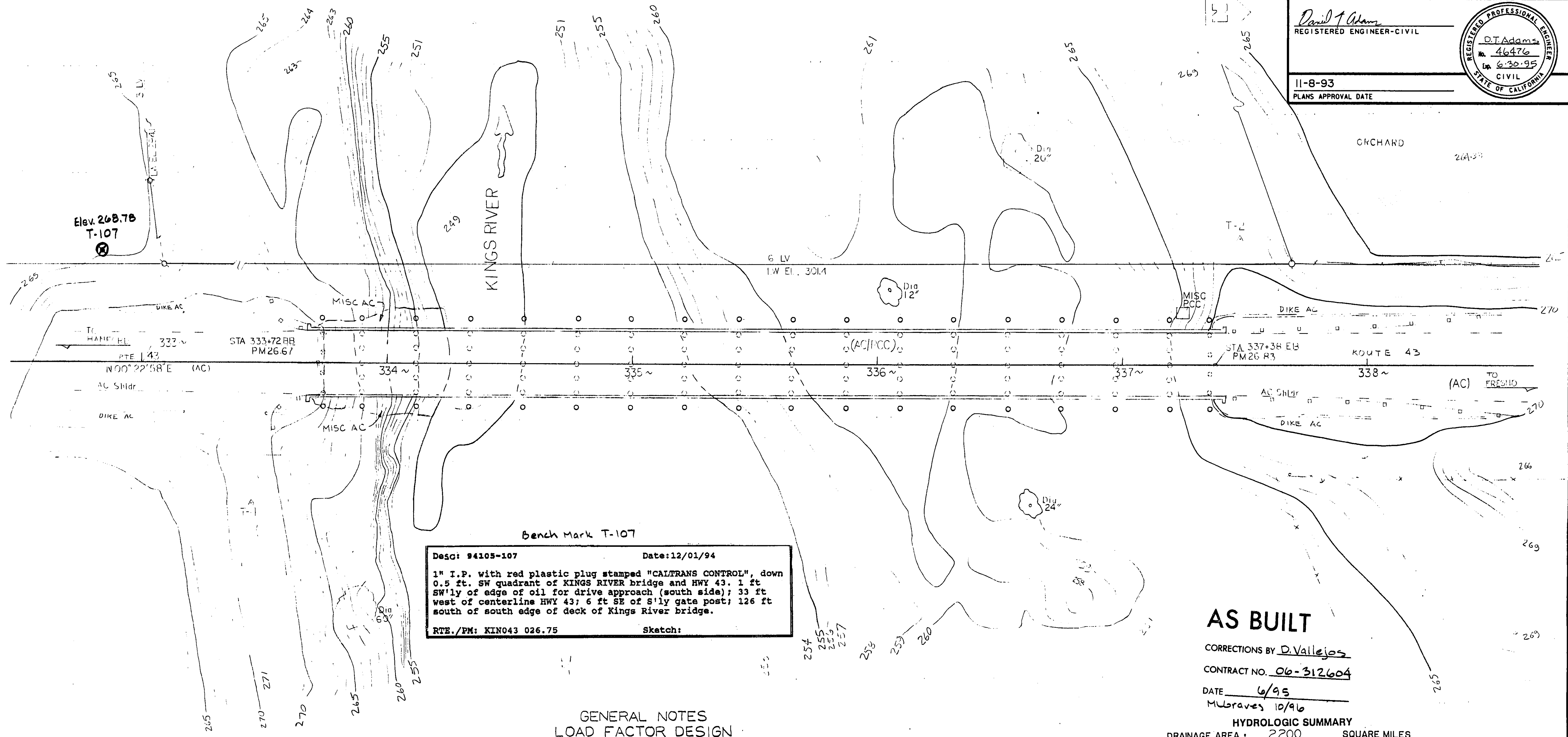
S_{YSTEM}

The requested documents have been generated by BIRIS.

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Records for “Confidential” bridges may only be released outside the Department of Transportation upon execution of a confidentiality agreement.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Kin	43	23.5,26.8	16	29
Daniel T. Adams REGISTERED ENGINEER-CIVIL					
11-8-93 PLANS APPROVAL DATE					



Desg: 94105-107 Date:12/01/94
1" I.P. with red plastic plug stamped "CALTRANS CONTROL", down 0.5 ft. SW quadrant of KINGS RIVER bridge and HWY 43. 1 ft SW'ly of edge of oil for drive approach (south side); 33 ft west of centerline HWY 43; 6 ft SE of 8'ly gate post; 126 ft south of south edge of deck of Kings River bridge.
RTE./PM: KIN043 026.75 Sketch:

GENERAL NOTES LOAD FACTOR DESIGN

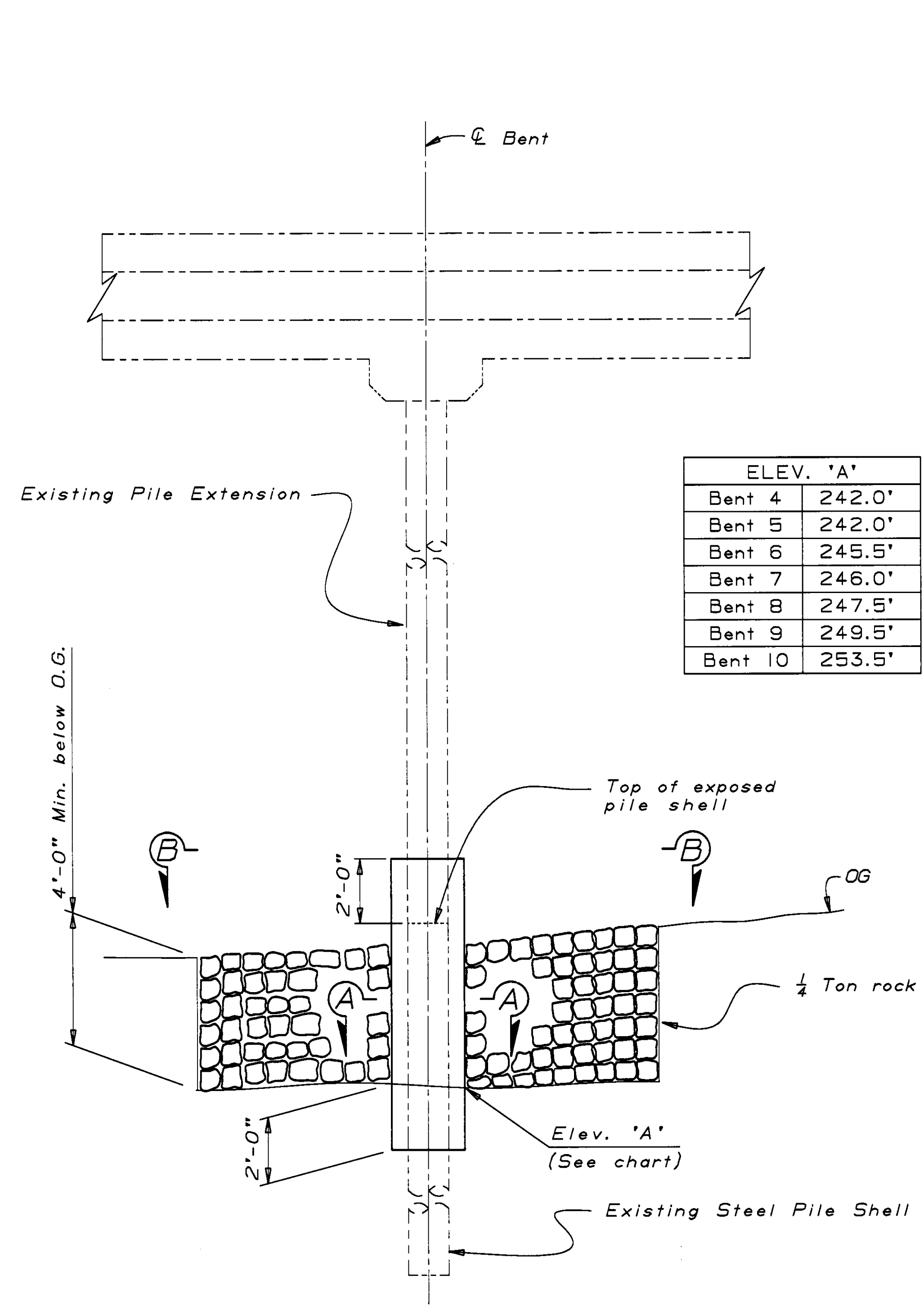
DESIGN: BRIDGE DESIGN SPECIFICATIONS
(1983 AASHTO with Interims and Revisions by CALTRANS)
DEAD LOAD: Includes 35 psf for future wearing surface.
LIVE LOADING: HS20-44 and alternative and permit design load.
REINFORCED CONCRETE: $f_y = 60,000$ psi
 $f'_c = 3,250$ psi
 $n = 9$
CAMBER: Interior spans = +0.01' at midspan
End spans = 0.00' at midspan

BENCH MARKS

T-1 END 1" IP W/UT CAP
PORT STA 333+45 ON RTE 43
EL. 271.14

I-2 END 1" IP W/UT CAP
52' LT OF C RTE 43 STA 337+49
EL. 269.67

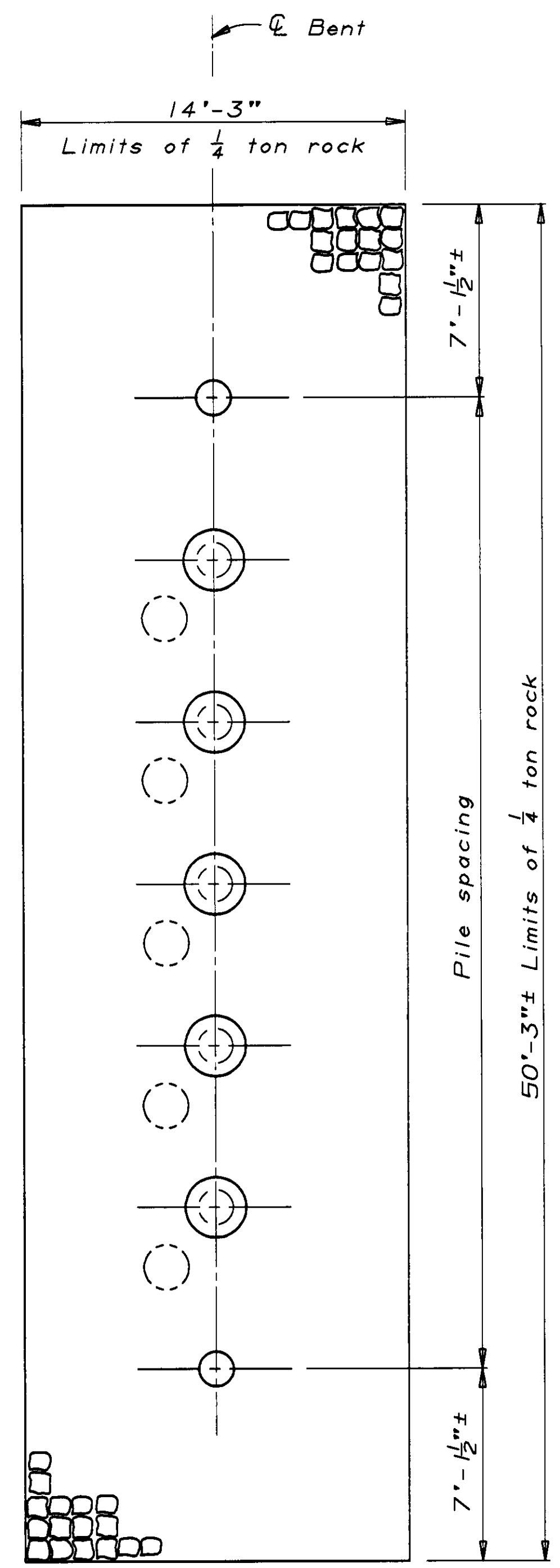
PRELIMINARY INVESTIGATION SECTION				DESIGN	BY Ehab Abdelwahed 1/93	CHECKED Don Adams 1/93	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 4	BRIDGE NO.	45-64	KINGS RIVER BRIDGE (WIDEN) FOUNDATION PLAN	
SCALE	DATUM	PHOTOGRAMMETRY AS OF:	DRAWN	BY PJC 12/92	DETAILS	BY MGraves 1/93			CHECKED Don Adams 1/93	POST MILE		26.8
ALIGNMENT TIES	PR-456-1-3	SURVEYED	BY DIST 2/91	TRACED	BY PJC 12/92	QUANTITIES			BY MGraves 4/93	CHECKED Gary Hight 4/93		
DS OSD 2145 (4/89)		FIELD CHECKED	BY SRS 11/92	CHECKED	BY SRS 11/92							
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS								CU 06202 EA 312601	DISREGARD PRINTS BEARING EARLIER REVISION DATES →		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 2 OF 7



ELEVATION
BENT 4,5,6,7,8,9 AND 10

Scale 3/8"=1'-0"

Note: At Bent 10, Reinforced Concrete Casing is not required.



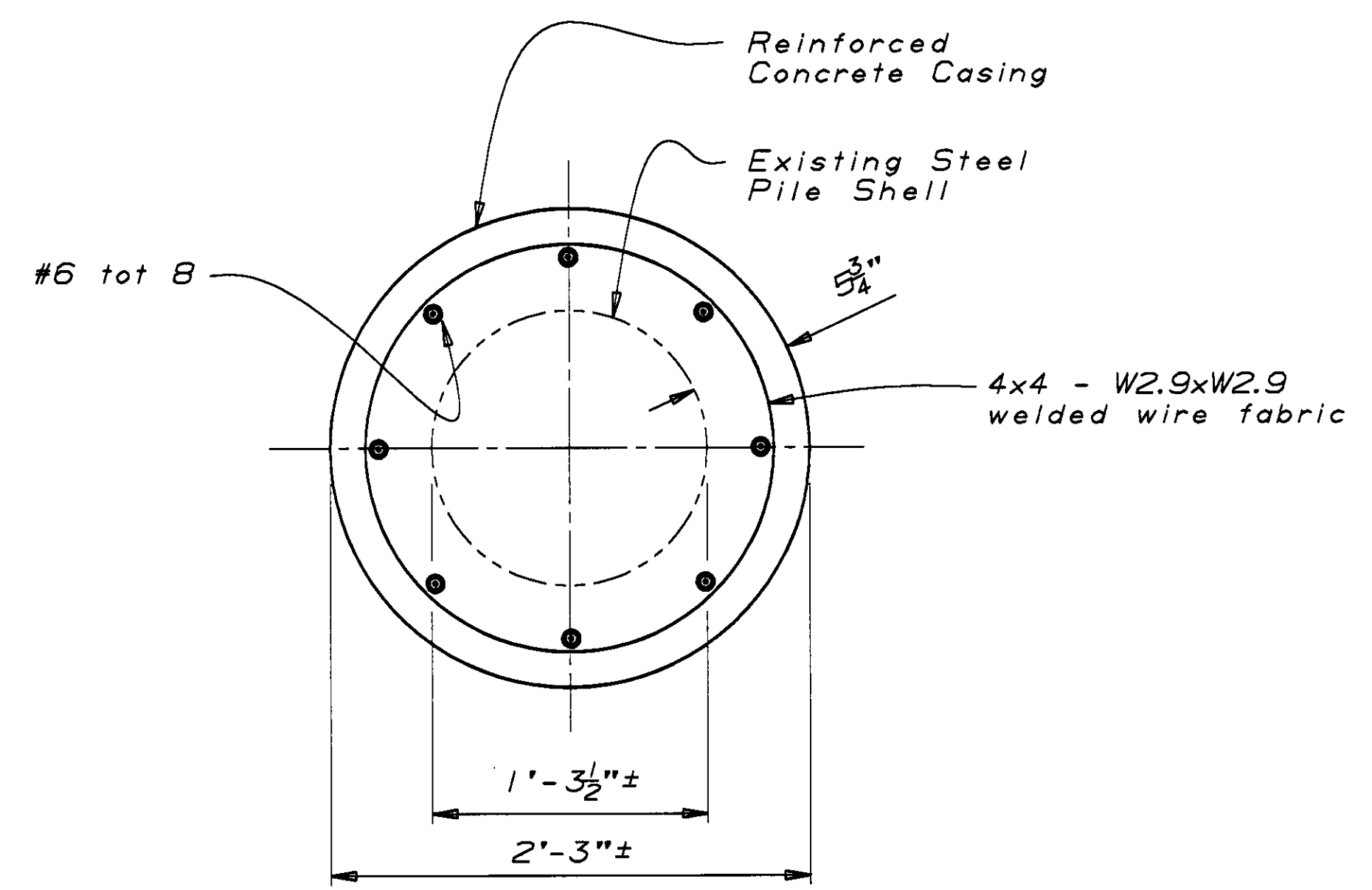
SECTION B-B

Scale 1/4"=1'-0"

NOTE:

○ Indicates approx. location of existing timber piles to be cut off at elevation 244.00, Bents 4 thru 10

Pile cut-off @ Bents 11 thru 17 eliminated per CCO #4



SECTION A-A
PILE SHELL ENCASEMENT

Scale 1/2"=1'-0"

PILE DATA - CLASS 70 - ALTERNATIVE "Y"			
Location	Design Loading	Specified Tip Elevation	Probable Tip Elevation
Abut. 1 to Bent 6	70 Ton	216	211
Bent 7 and Bent 8	70 Ton	209	204
Bent 9	70 Ton	203	198
Bent 10 to Bent 14	70 Ton	207	202
Bent 15 to Bent 17	70 Ton	213	208
Abut. 18	70 Ton	224	219

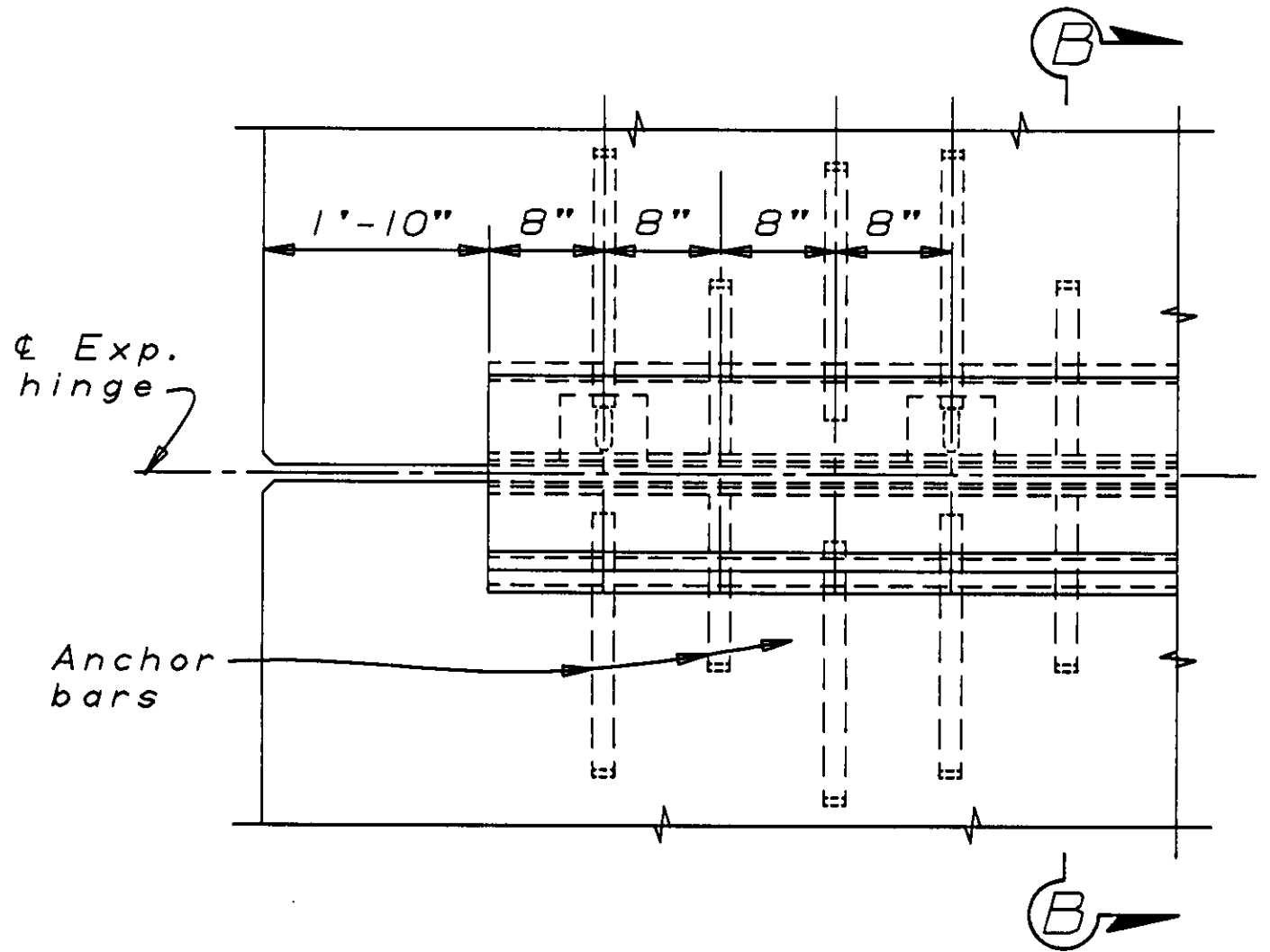
AS BUILT

CORRECTIONS BY D. Vallejos

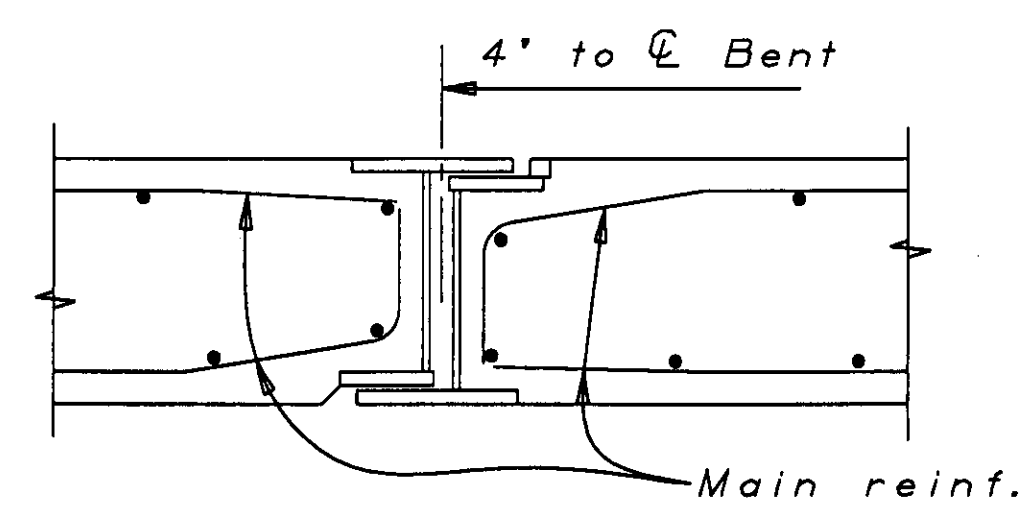
CONTRACT NO. 06-312604

DATE 6/95

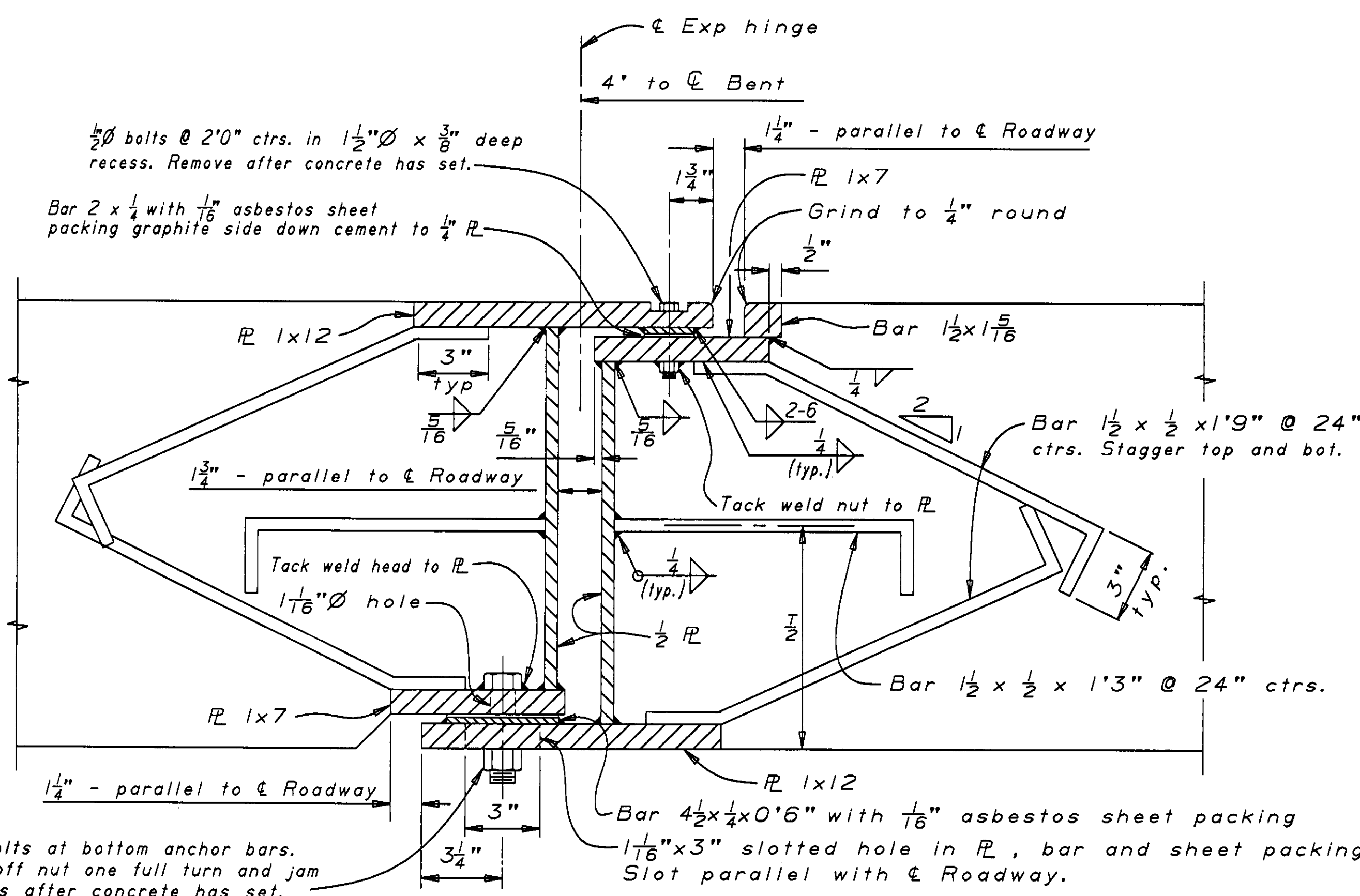
MLGraves 10/96



PART PLAN
No Scale

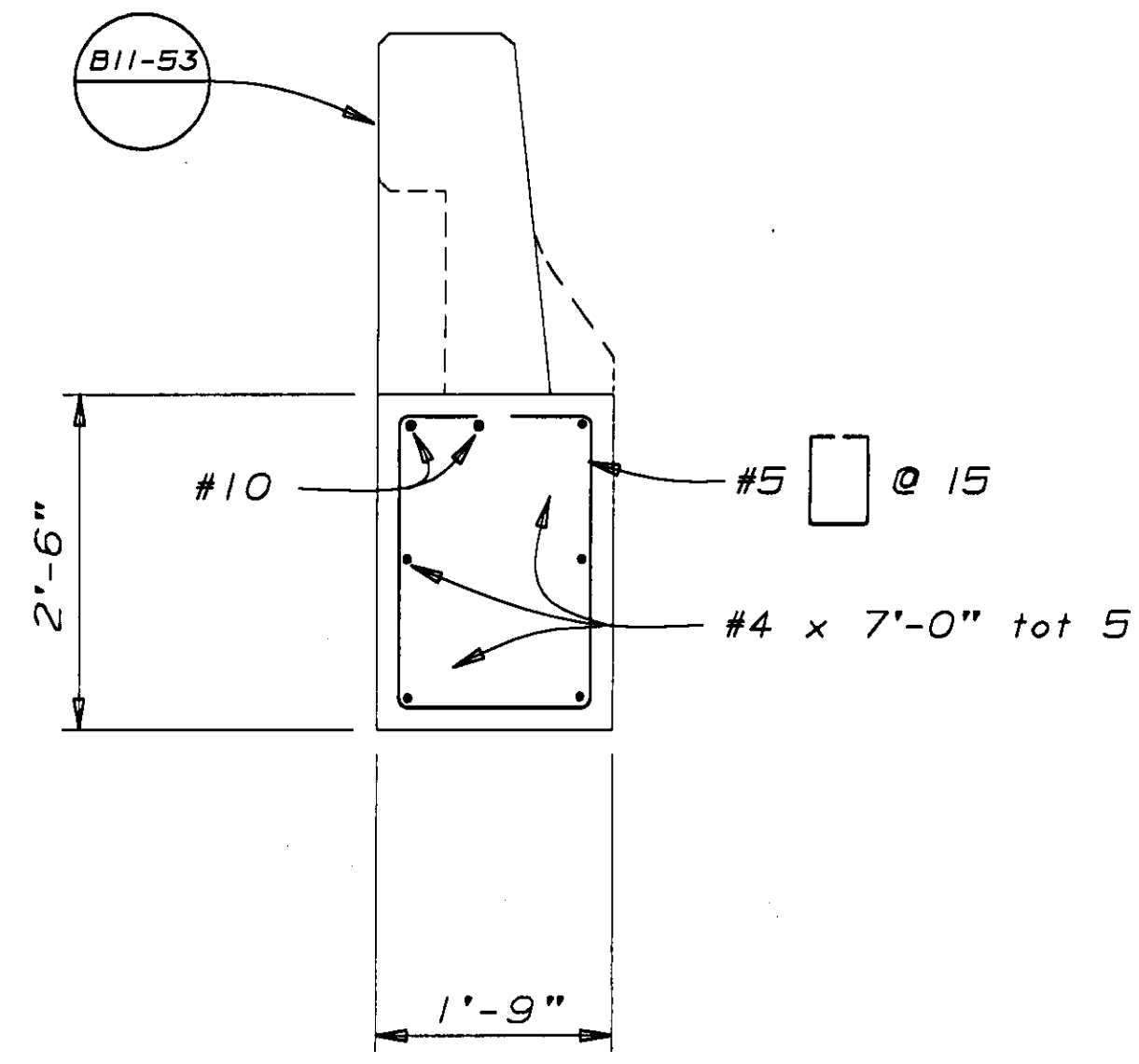


MAIN REINF. AT HINGE
No Scale



SECTION B-B
No Scale

Actual Pile Tip Elevations Class 70, 18" Piles		
	Stage 1 Left	Stage 2 Right
Abut. 1	218.00	216.00
Bent 2-6	216.00	216.00
Bent 7, 8	209.00	209.00
Bent 9	203.00	203.00
Bent 10-14	207.00	207.00
Bent 15, 16	213.00	213.00
Bent 17	212.95	213.00
Abut. 18	224.00	224.00

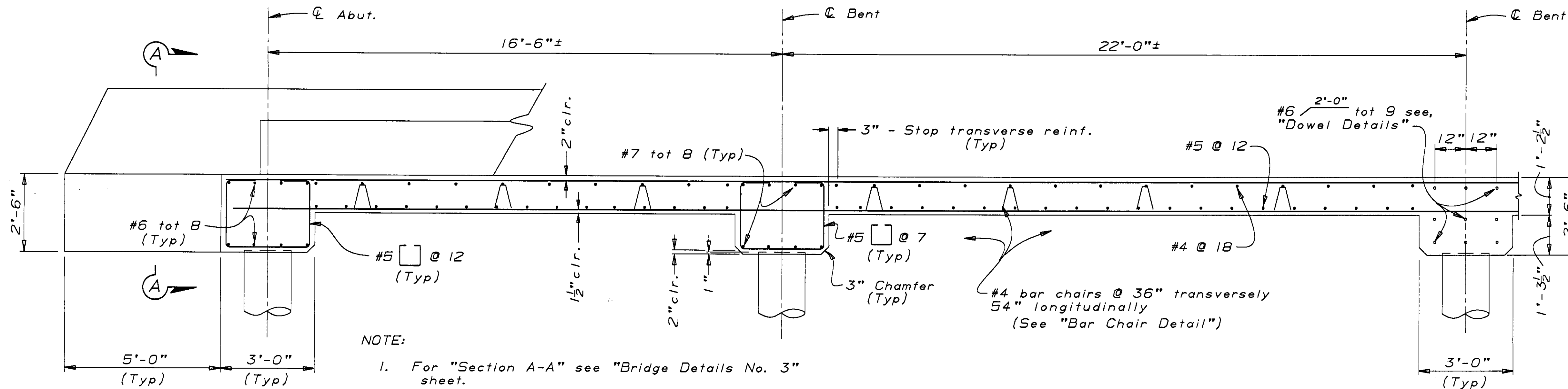


SECTION A-A
3/4" = 1'-0"

For "Section A-A" see "Bridge Details No. 2" sheet.

AS BUILT
CORRECTIONS BY D.Vallejos
CONTRACT NO. 06-312604
DATE 6/95
MLGraves 10/96

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS BEFORE
ORDERING OR FABRICATING ANY MATERIAL.



LONGITUDINAL SECTION

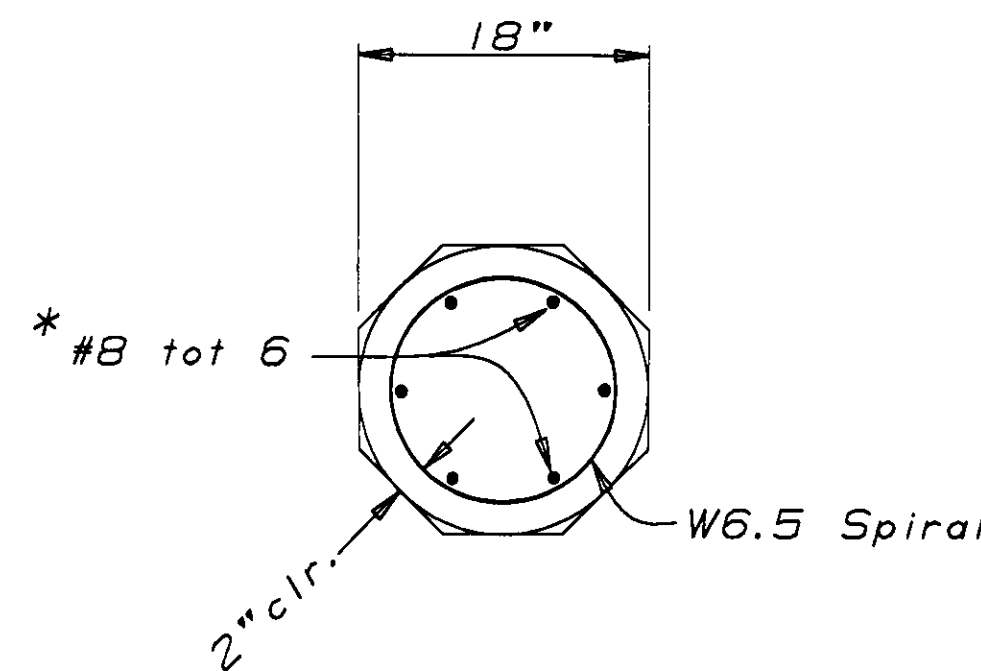
1/2" = 1'-0"

Refinish deck 1'-4" x 2'-6" at existing deck drains after plugging drains with concrete.

Refinish deck full length of bridge.

Exist. Structure

B11-53 Concrete Barrier Type 25



PILE DETAIL

1" = 1'-0"

For pile details & reinforcement not shown

see B2-5 alternative 'Y'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

TYPICAL SECTION

3/4" = 1'-0"

Right side widening shown, left side similar.

NO CORRECTIONS THIS SHEET
MLGraves 10/96

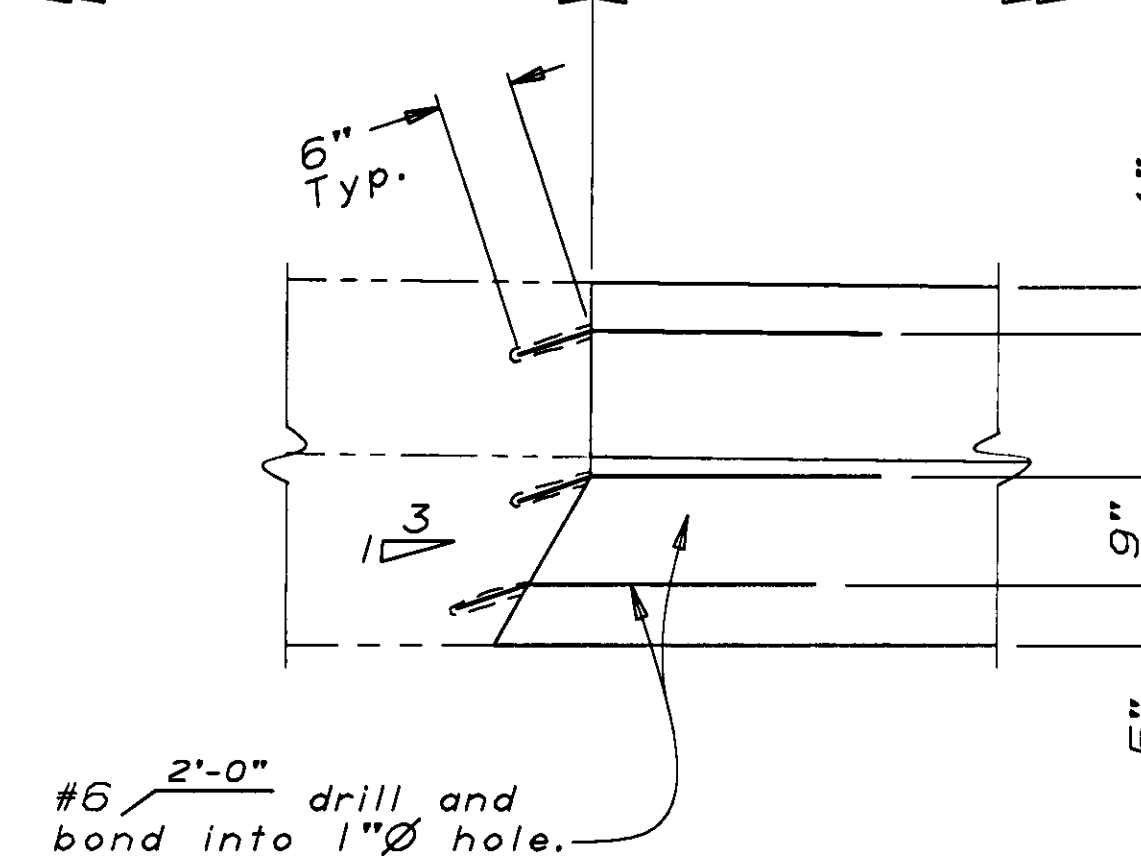
AS BUILT

CORRECTIONS BY D. Vallejos

CONTRACT NO. 06-312604

DATE 6/95

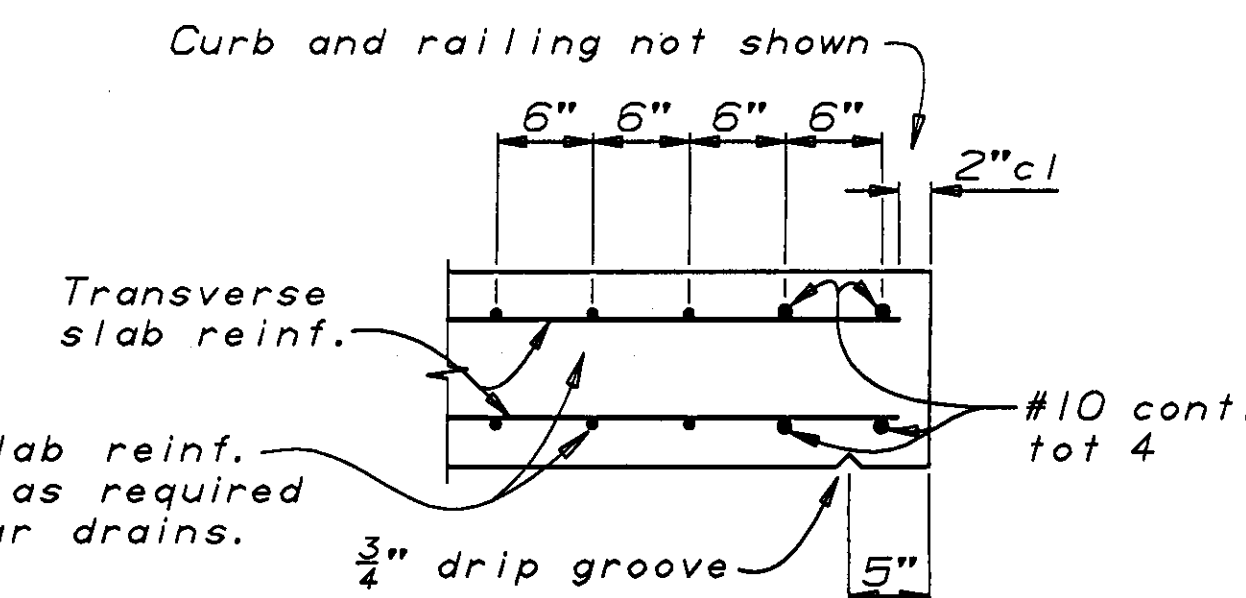
Exist. Bent Cap New Bent Cap



AT ABUTMENTS & BENT CAPS

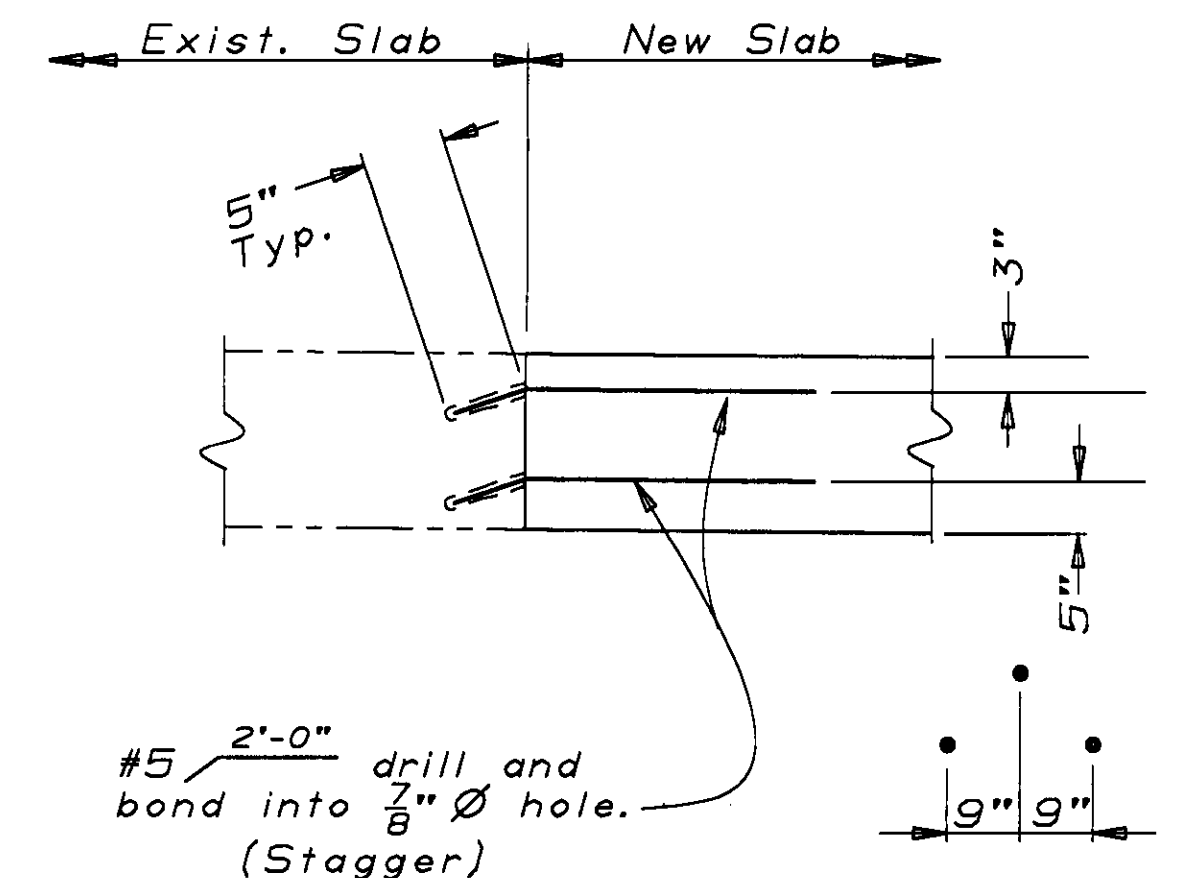
DOWEL DETAILS

3/4" = 1'-0"



EDGE OF SLAB DETAIL

No Scale



AT SLAB SECTION

DESIGN	BY Ehab Abdelwahed 3-93	CHECKED Dan Adams 3-93
DETAILS	BY MLGraves 3-93	CHECKED Dan Adams 3-93
QUANTITIES	BY MLGraves 4-93	CHECKED Gary Hight 4-93

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 4

BRIDGE NO.
45-64
POST MILE
26.8

KINGS RIVER BRIDGE (WIDEN)
BRIDGE DETAILS NO. 2

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Kin	43	23.5,26.8	17	29

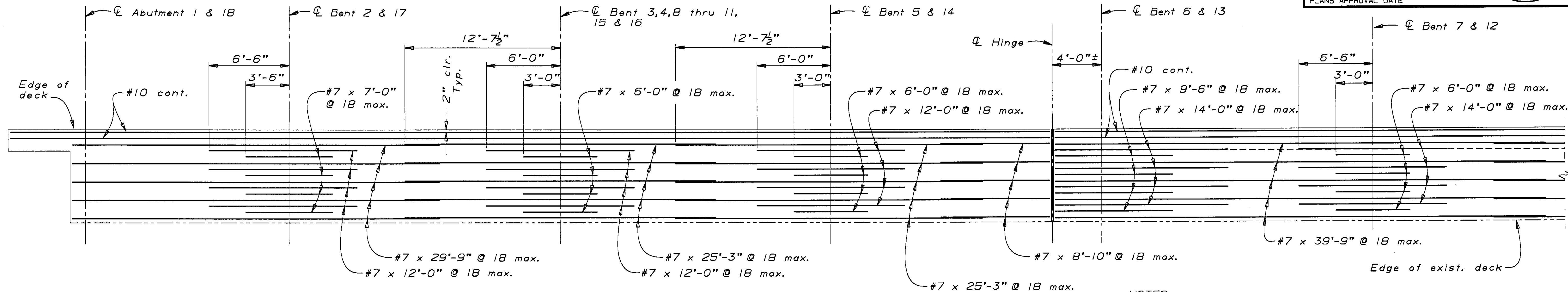
David Adams

REGISTERED ENGINEER - CIVIL

D.T. Adams
No. 46476
Exp. 6-30-95
CIVIL
STATE OF CALIFORNIA

11-8-93

PLANS APPROVAL DATE

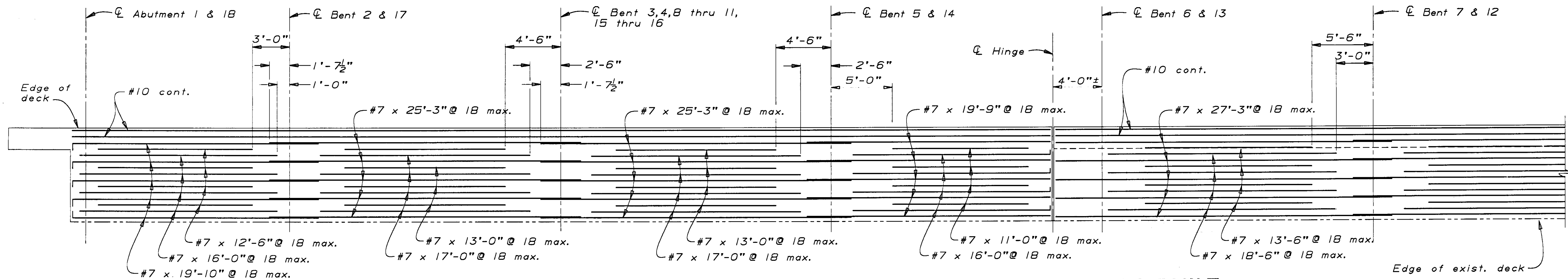


TOP REINFORCEMENT

1/4"=1'-0"

NOTES:

- For reinforcement not shown see "Bridge Details No. 2" sheet.
- Left widening shown, Right widening similar.
- Splices in top main bars to be located near center of span.
- Splices in bottom main bars to be located near bent.



BOTTOM REINFORCEMENT

1/4"=1'-0"

AS BUILT NO CORRECTIONS THIS SHEET
MLGraves 10/96

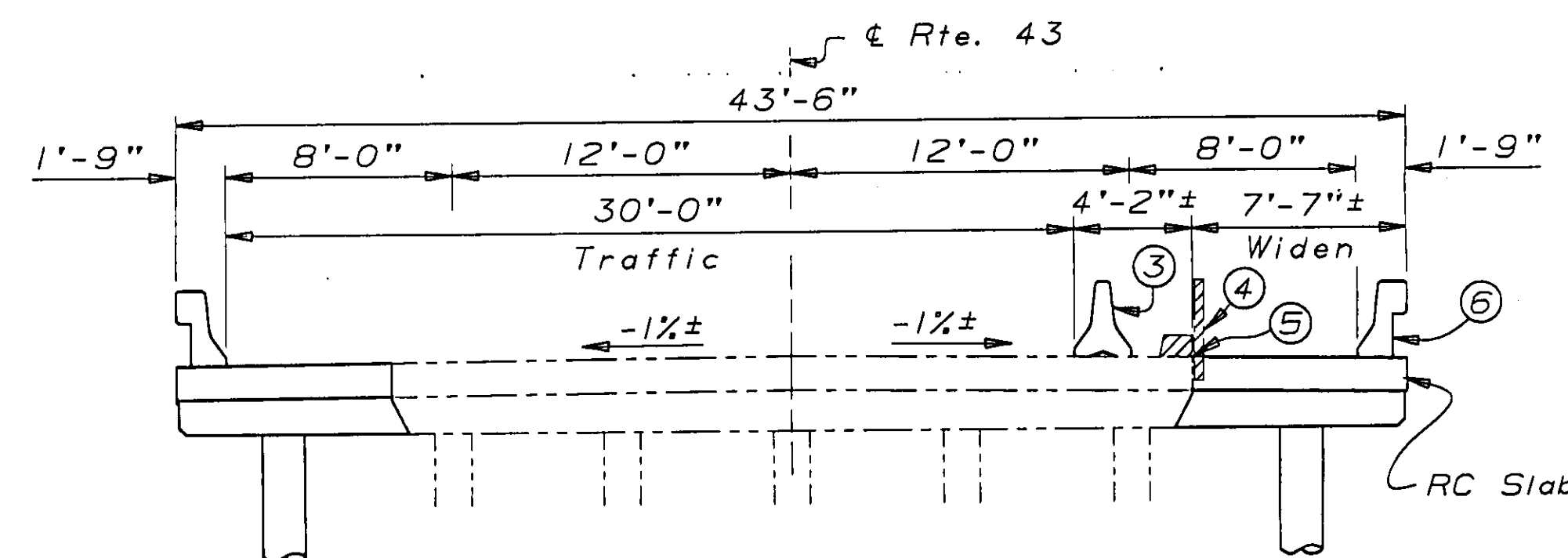
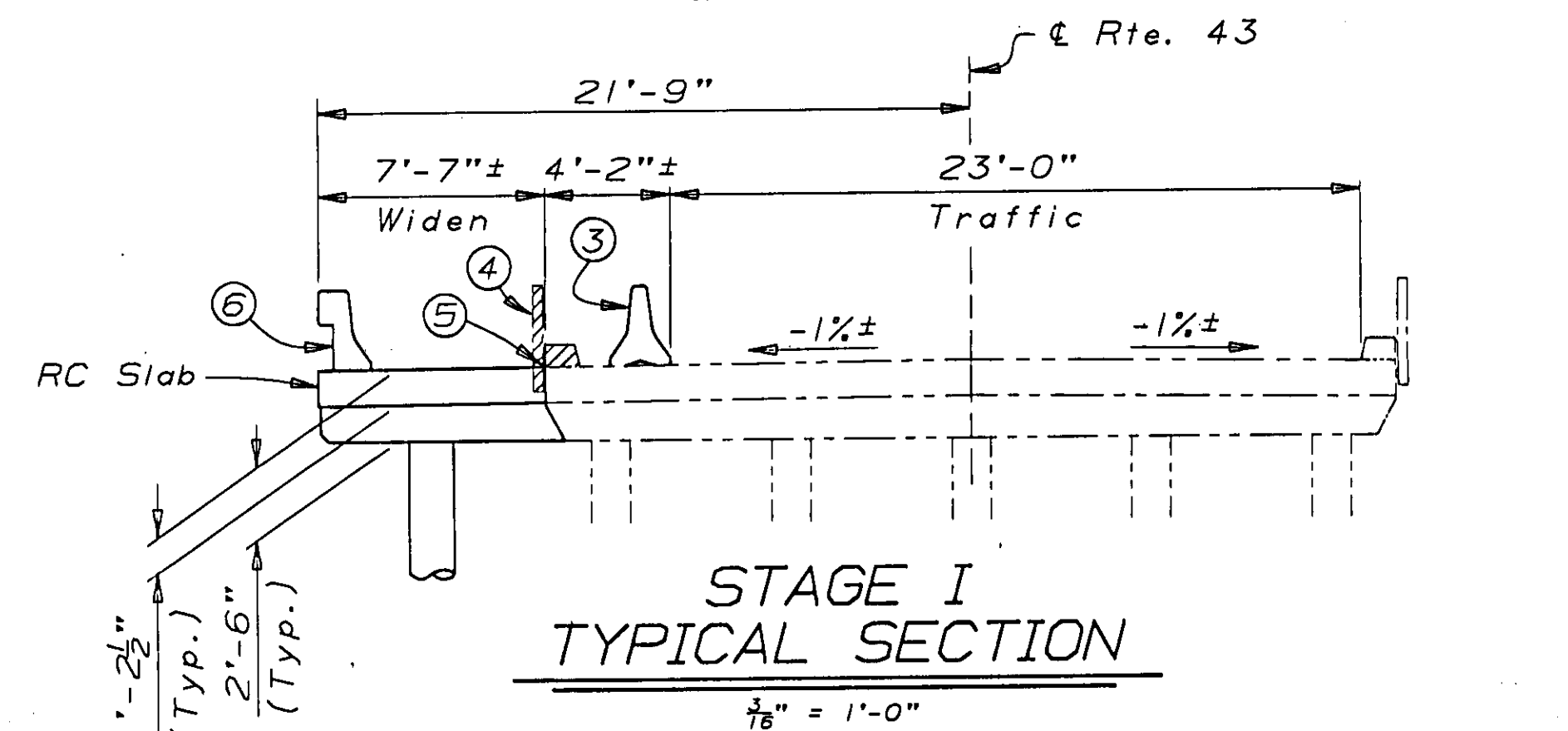
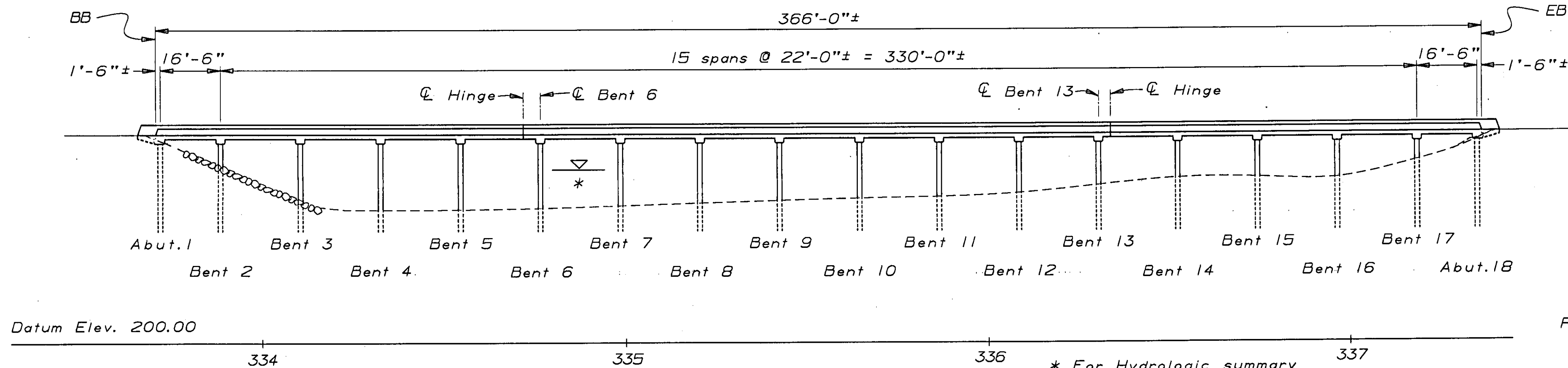
CORRECTIONS BY D.Vallejos

CONTRACT NO. 06-312604

DATE 6/95

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS BEFORE
ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY	Ehab Abdelwahed 1-93	CHECKED	Dan Adams 1-93	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 4	BRIDGE NO.	45-64	KINGS RIVER BRIDGE (WIDEN) BRIDGE DETAILS NO. 1							
	DETAILS	BY	MLGraves 1-93	CHECKED			Dan Adams 1-93	POST MILE		26.8						
	QUANTITIES	BY	MLGraves 4-93	CHECKED			Gary Hight 4-93									
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						CU 06202 EA 312601	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET	OF		
										1-9-93	2-22-93	5-22-93	5-13-93	3	7	



STAGE II
TYPICAL SECTION
1/8" = 1'-0"

Notes:

- 1 Paint "Kings River Bridge - Dutch John Cut"
- 2 Paint "Br.No. 45-64"
- 3 Temporary Railing Type K See "Road Plans"
- 4 Remove existing curb and railing.
- 5 Match existing grade & cross slope.
- 6 Concrete Barrier Type 25
- 7 MBGR - See "Road Plans"
- 8 Rock Slope Protection See "Road Plans"

Indicates concrete removal
Indicates existing structure
Indicates high water level

AS BUILT

CORRECTIONS BY D. Vallejos
CONTRACT NO. 06-312604
DATE 6/95
MLGraves 10/96

INDEX TO PLANS

ELEVATION
1"=20'-0"

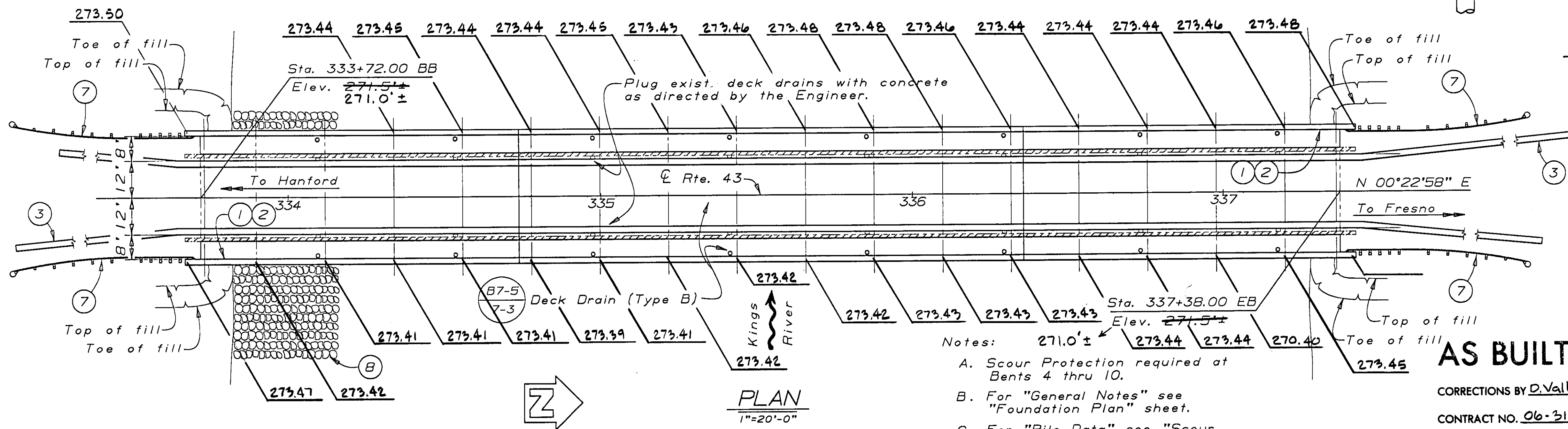
Standard Plans
Dated July '92

Sheet No. Title

B2-5	Pile Details - Class 45 and Class 70	1.	General Plan
B7-5	Deck Drains	2.	Foundation Plan
B11-53	Concrete Barrier Type 25	3.	Bridge Details No. 1
T3	Temporary Railing Type K	4.	Bridge Details No. 2
		5.	Bridge Details No. 3
		6.	Scour Protection Details
		7.	Log of Test Borings

QUANTITIES

REMOVE TIMBER PILE	70	EA
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP SUM	
ROCK BACKFILL	735	CY
FURNISH CLASS 70 PILING (ALTERNATIVE Y-OCTAGONAL, 18" DIAMETER)	2,054	LF
DRIVE CLASS 70 PILES (ALTERNATIVE Y-OCTAGONAL, 18" DIAMETER)	36	EA
STRUCTURAL CONCRETE, BRIDGE	290	CY
PILE ENCASEMENT	30	EA
DRILL AND BOND DOWEL	520	LF
REFINISH BRIDGE DECK	1,220	SQFT
BAR REINFORCING STEEL (BRIDGE)	65,815	LB
MISCELLANEOUS METAL (BRIDGE)	5,600	LB
CONCRETE BARRIER (TYPE 25)	752	LF

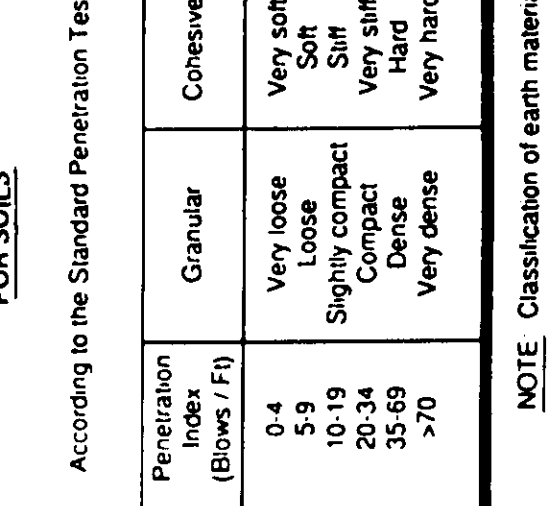


PLAN
1"=20'-0"

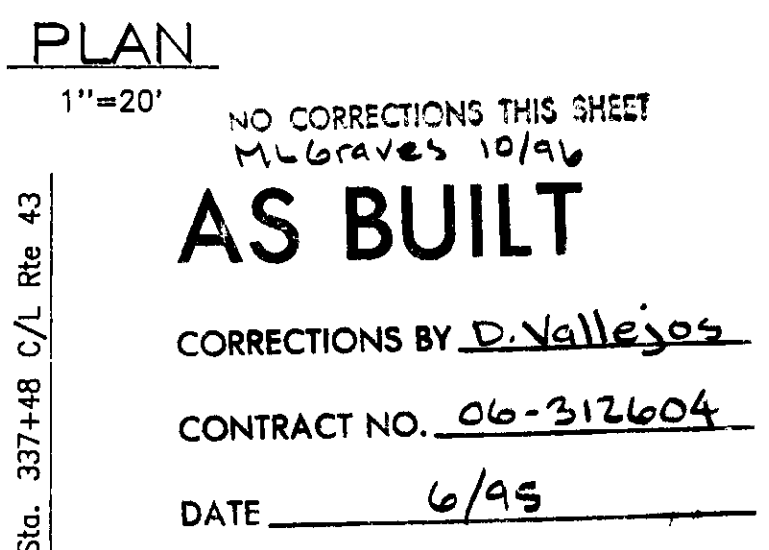
- Notes:
- A. Scour Protection required at Bents 4 thru 10.
 - B. For "General Notes" see "Foundation Plan" sheet.
 - C. For "Pile Data" see "Scour Protection Details" sheet.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

M Hg DESIGN ENGINEER July 93 DS OSD 2138 (CADD 4/89)	DESIGN	BY Ehab Abdelwahed 12-92	CHECKED Dan Adams 2-93	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 4	BRIDGE NO.	KINGS RIVER BRIDGE (WIDEN)											
	DETAILS	BY MLGraves 12-92	CHECKED Dan Adams 2-93	LAYOUT	BY Ehab Abdelwahed 12-92			CHECKED Dan Adams 2-93	45-64	GENERAL PLAN										
	QUANTITIES	BY MLGraves 4-93	CHECKED Gary Hight 4-93	SPECIFICATIONS	BY D. B. B. 7-93			PLANS AND SPECS COMPARED DB 7-93	POST MILE											26.8
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS							CU 06202 EA 312601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET	OF
									12-11-92	2-22-93	2-28-93	3-11-93	3-21-93	4-20-93	5-11-93	7-9-93			1	7



NOTE Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.



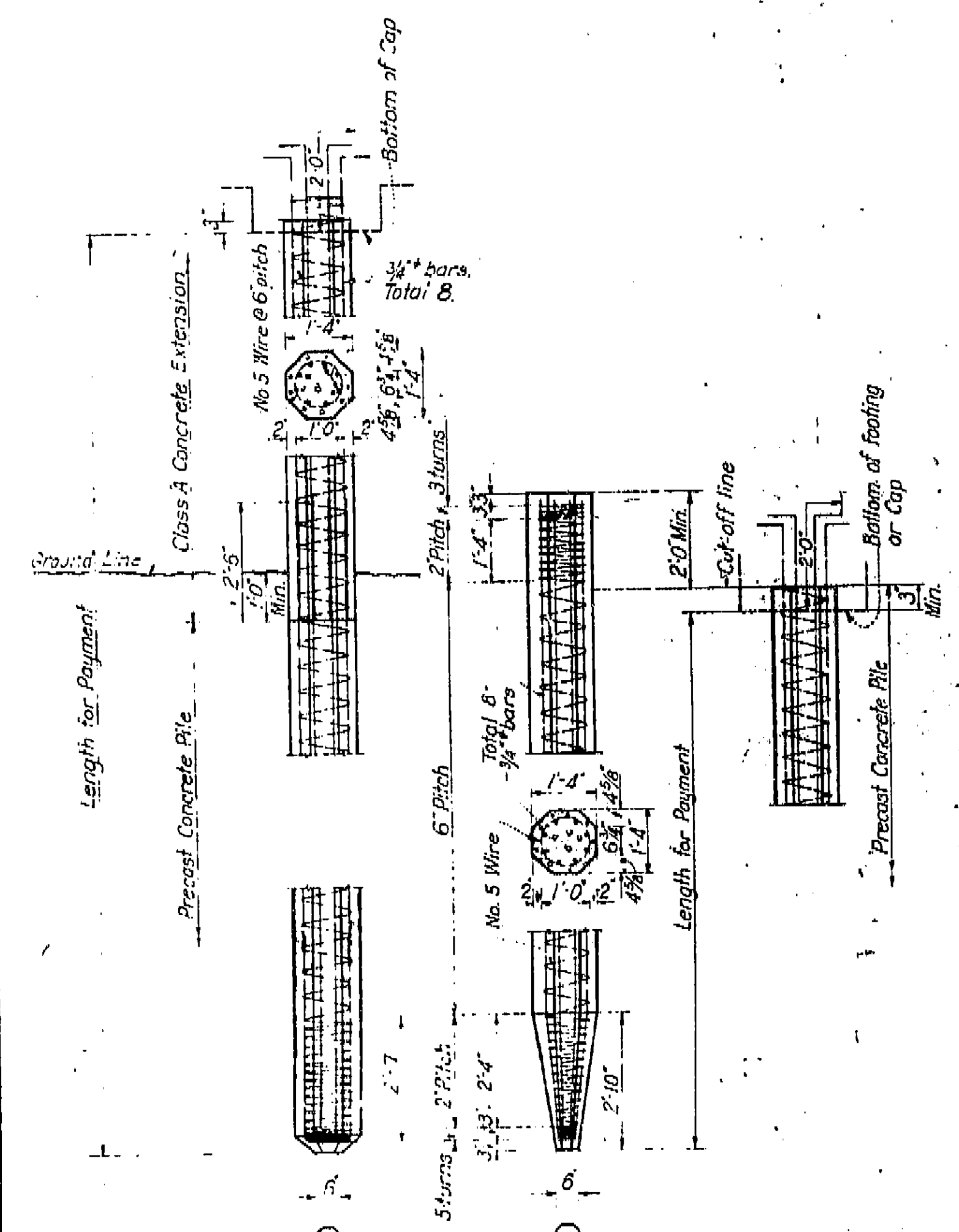
DIVISION OF NEW TECHNOLOGY, MATERIALS AND RESEARCH			OFFICE OF ENGINEERING GEOLOGY			FIELD INVESTIGATION BY:			State of CALIFORNIA DEPARTMENT OF TRANSPORTATION			DIVISION OF STRUCTURES STRUCTURE DESIGN			BRIDGE NO.	KINGS RIVER BRIDGE (WIDEN)																							
DRAWN BY			ED. FONG			5-93			J. THORNE						45-64																								
CHECKED BY															POST MILE	LOG OF TEST BORINGS																							
															26.8																								
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS										0 1 2 3										CU 06202 EA 312601			DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET		OF	
																																				7		7	

S-568 (6)

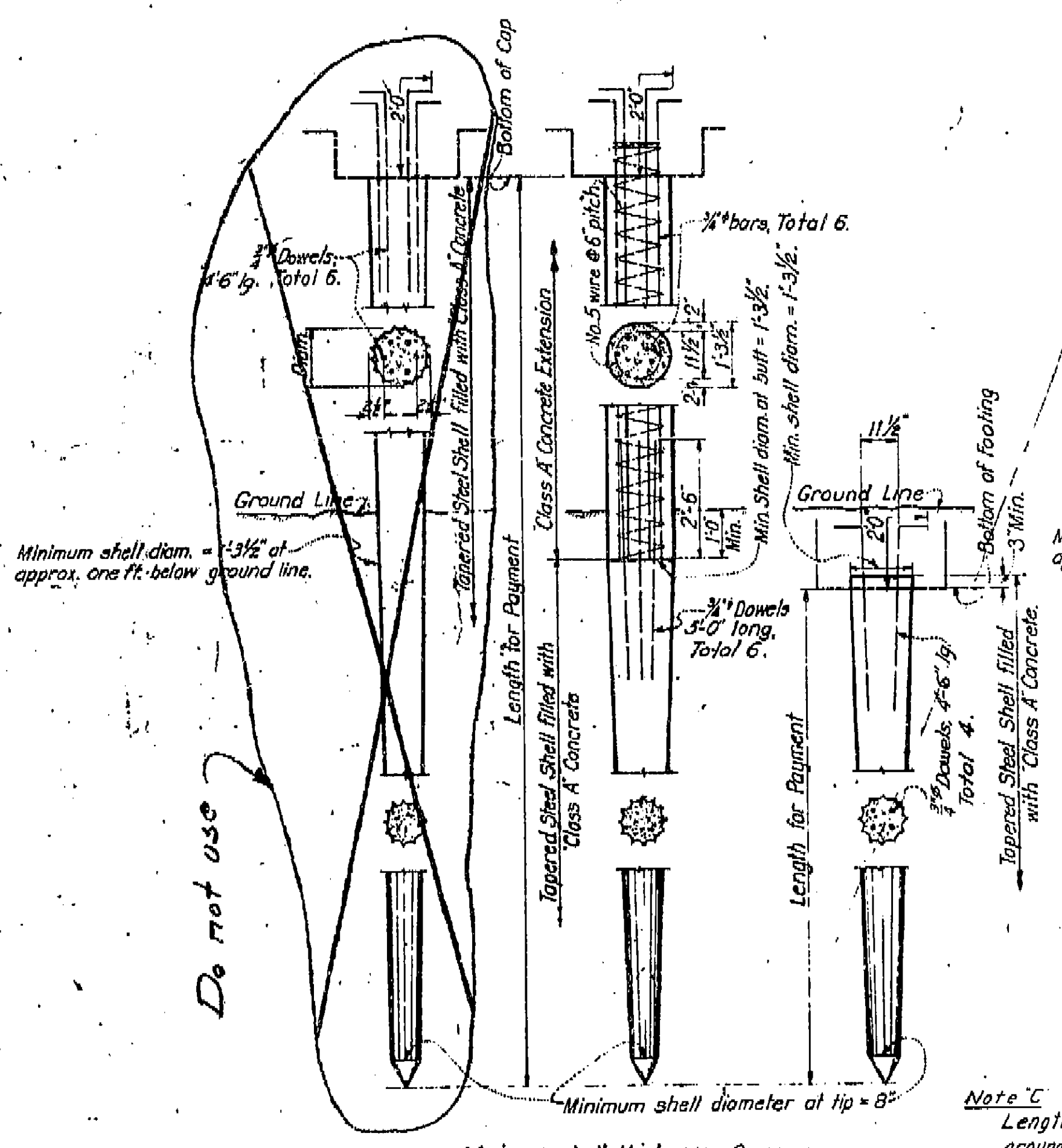
PROJECT NO.	568
DATE	October 16, 1950
BY	J. J. Hunter
CHECKED BY	

Scale 1" = 10' - 5/8/49 L.P.

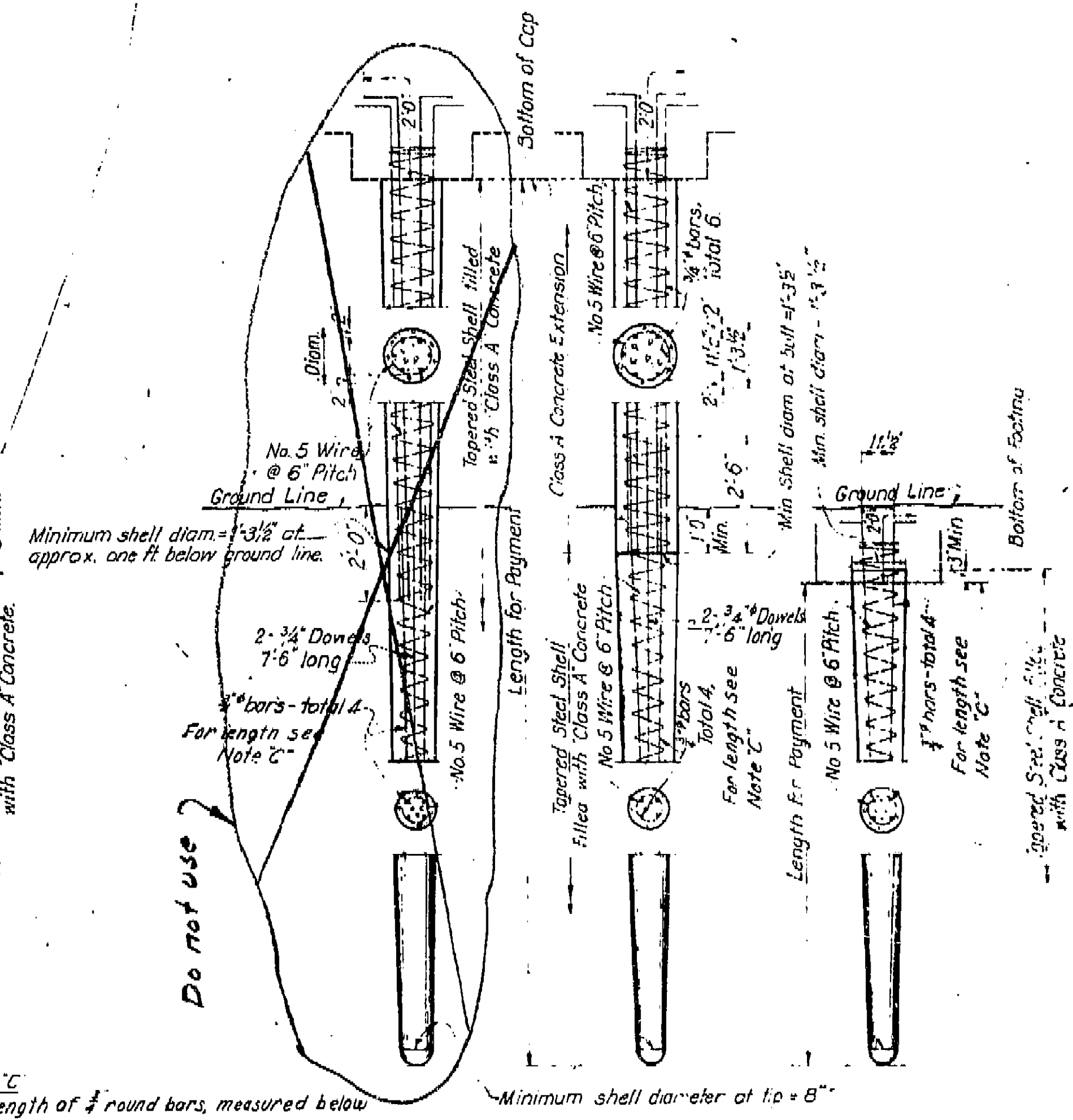
Quantity	1
Material	Concrete
Remarks	See Notes



PRECAST CONCRETE PILE
ALTERNATIVE "A"
Design Load tons
Drive to 35 tons bearing value.



CAST-IN-PLACE CONCRETE PILE
ALTERNATIVE "B"
Design Load tons
Drive to tons bearing value.



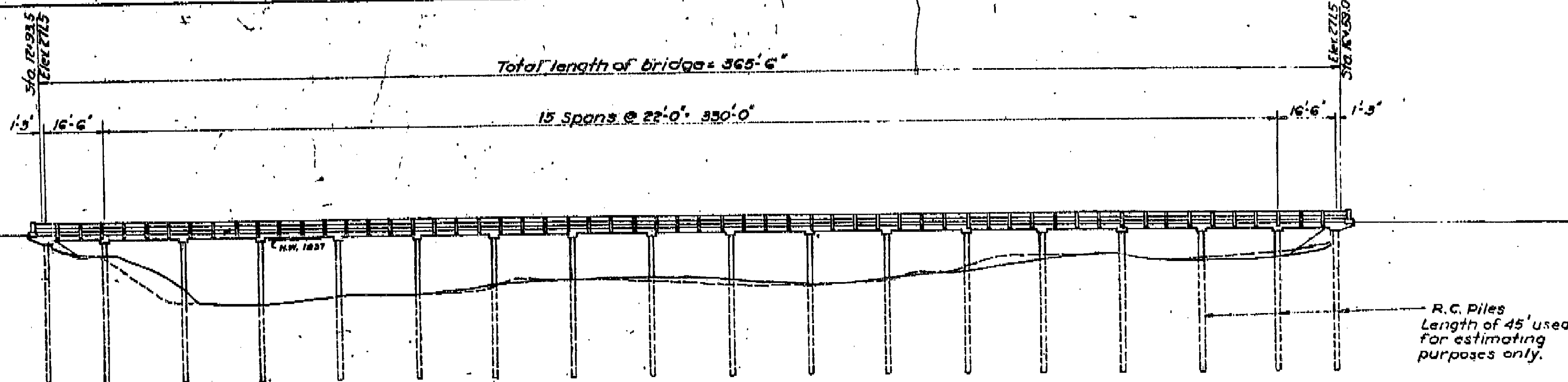
CAST-IN-PLACE CONCRETE PILE
ALTERNATIVE "C"
Design Load tons
Drive to tons bearing value.

COUNTY OF KINGS CALIFORNIA	
BRIDGE ACROSS KINGS RIVER (DUTCH JOHN CUT)	
PILE DETAILS	
SCALE 1/2" = 1'-0"	PILE NO.
DRAWING NO. 45C-5	DRAWING NO. 2549-4

S-568 (6)

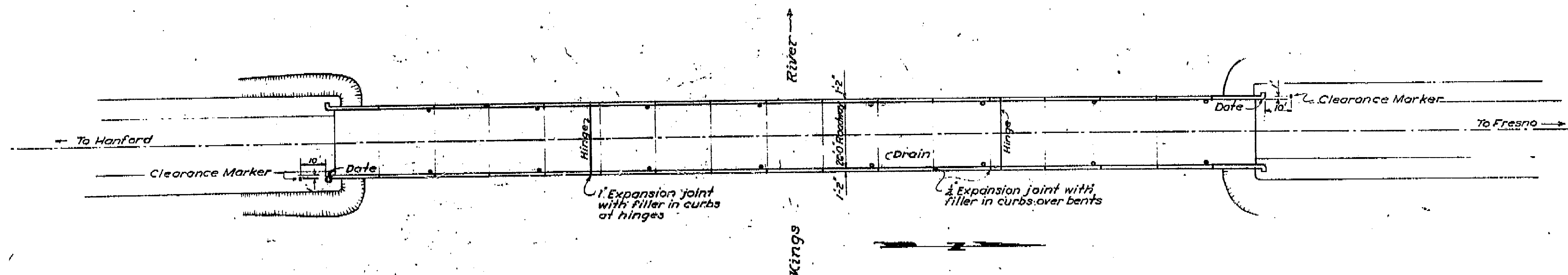
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CALIF.	5568 (6)	1950	2	4
DIST.	COUNTY	ROUTE	SEC.		
VI	KIN	FA 568	6	2	4

APPROVED *[Signature]*
 BRIDGE ENGINEER - STRUCTURAL ENGINEER LICENSE 1414
 APPROVED October 16, 1950

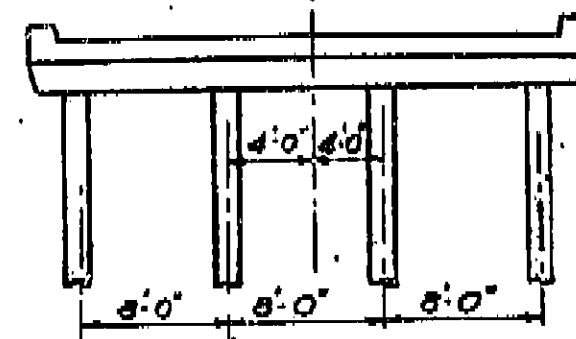
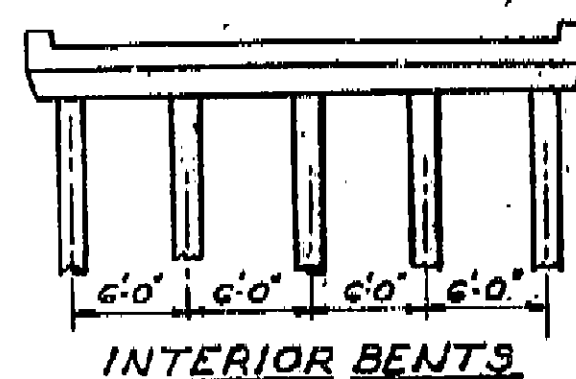


Datum Elev. 200.00

ELEVATION

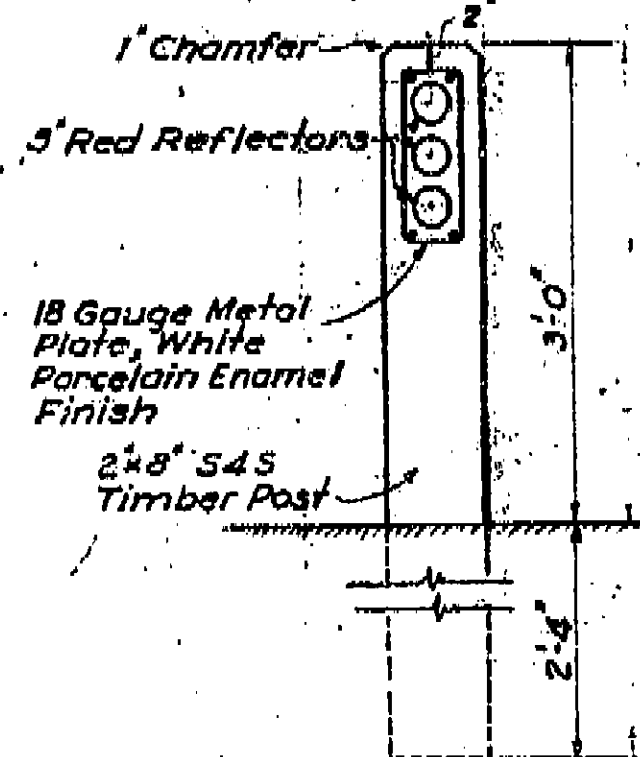


PLAN



PILE SPACING

Scale: 1" = 1'-0"



GENERAL NOTES

Specifications:
 Design: A.S.S.H.O., dated 1949 and Bridge Department of the State of California Supplement dated 1946.
 Construction: State of California, Division of Highways Standard Specifications, dated January 1949 and Special Provisions accompanying these plans.
 Live Loading: H 20-516-44
 Unit Stresses: $f_c = 1000 \text{ psi}$, $f_s = 18,000 \text{ psi}$, $n = 10$
 Reinforcement: Hooks shall conform to the Manual of Standard Practice, A.C.I. Embedment is clear distance to outside of bars and is 2" to main reinforcement except as noted. Backing for hooks is 4 diameters. Bar areas are based on rounds for less than 1" and squares for over 1".
 Pile load: 32 tons.
 Date: The year in which construction is completed shall be cast in the curbs at the locations indicated. Details of the date numerals will be furnished upon request.

Approved by *[Signature]*
 Road Commissioner
 License No. 5514

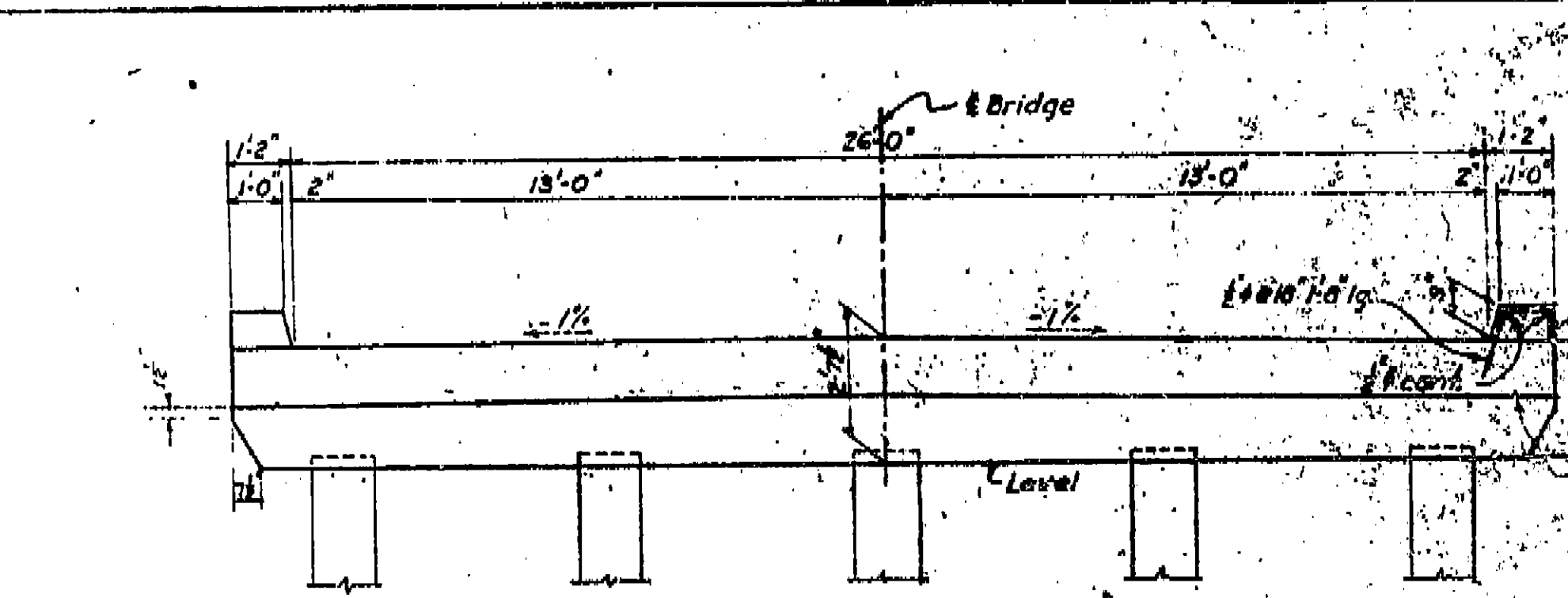
#45C-05

COUNTY OF KINGS CALIFORNIA
BRIDGE ACROSS KINGS RIVER (DUTCH JOHN CUT) 3-B 10TH - 11+50 CAIRO
GENERAL PLAN
SCALE 1" = 20', EXCEPT AS NOTED
C 25492

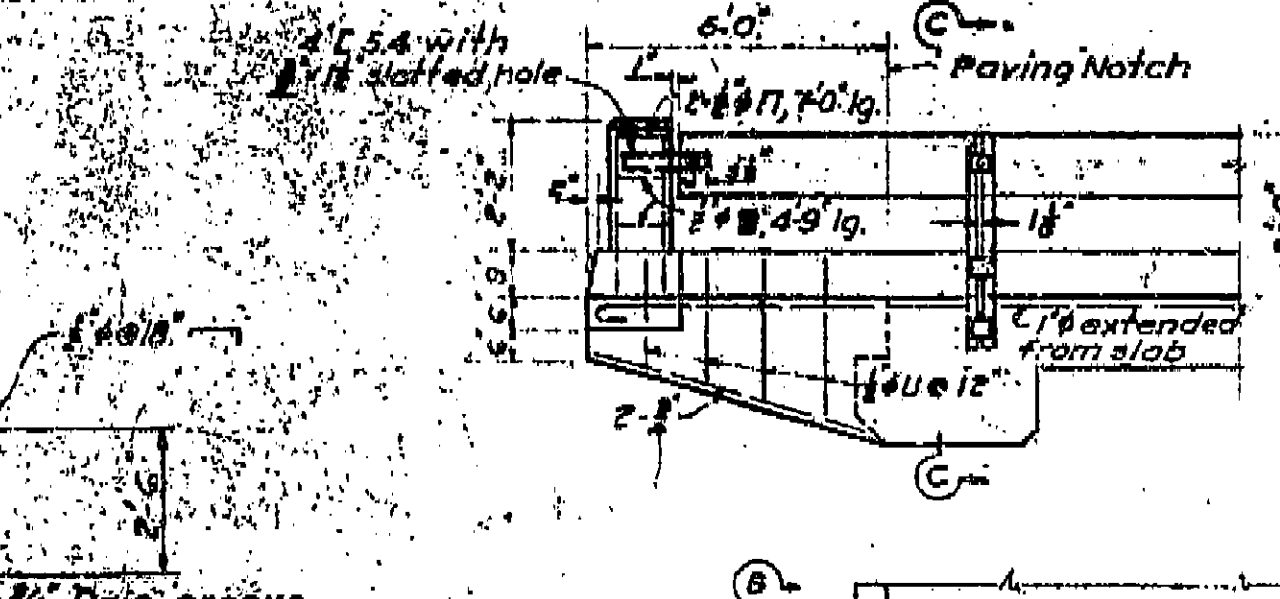
45C-1

NO.	7	STATE	CALIF.	YEAR	1930	NO.	5	NO.	4
DIST.	KIN	COUNTY	KIN	ROUTE	SEC.	3	4		

S-568(6)

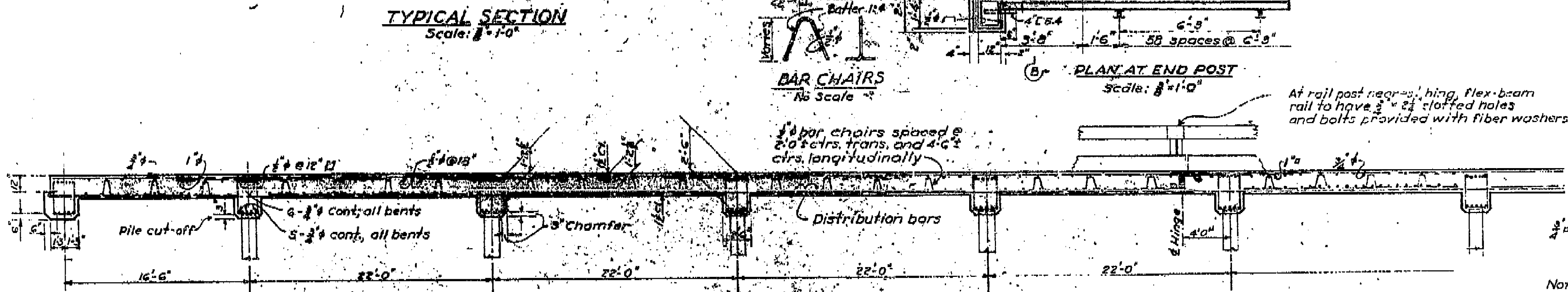


TYPICAL SECTION
Scale: 3/4" = 1'-0"

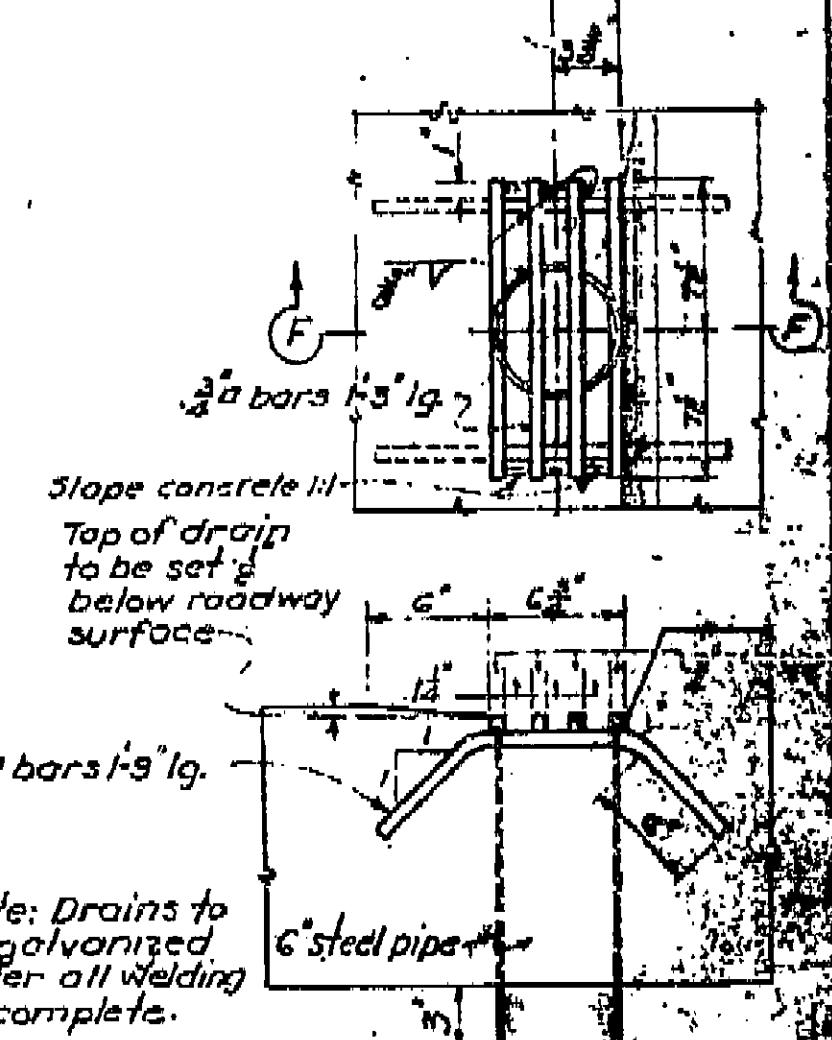


SECTION C-C
Scale: 3/4" = 1'-0"

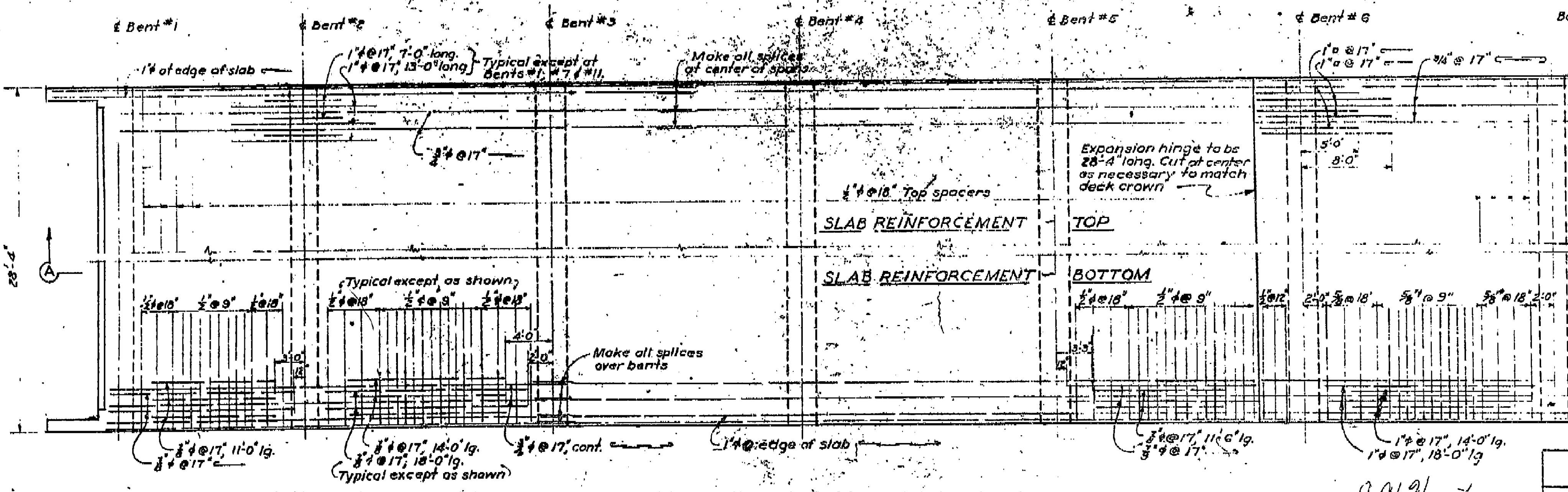
SECTION B-B
Scale: 3/4" = 1'-0"



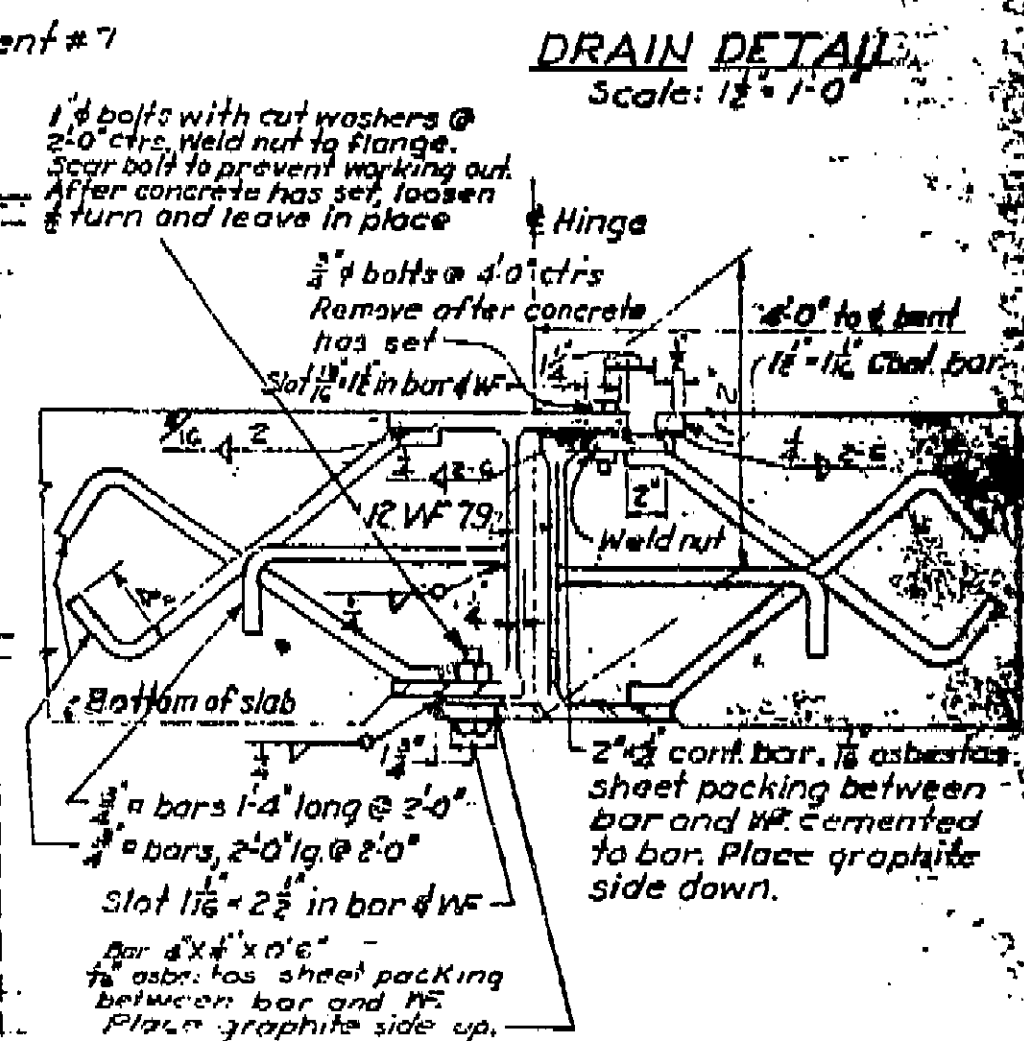
SECTION A-A
Scale: Horiz. 3/4" = 1'-0"
Vert. No scale



SECTION E-E
DRAIN DETAIL
Scale: 1/2" = 1'-0"



PLAN
Scale: 3/4" = 1'-0"



HINGE DETAIL
Scale: 1/2" = 1'-0"

Structural Details
Checked by *[Signature]*
Approved by *[Signature]*

Approved by *[Signature]*
Road Commissioner
License No. 3514

APPROVED October 16, 1930

COUNTY OF KINGS CALIFORNIA	
BRIDGE ACROSS KINGS RIVER (DUTCH JOHN CUT) 3-B 10TH 11-30 CAIRO	
BRIDGE DECK DETAILS	
SCALE: AS NOTED	C-2549-3

45C-5 331